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Page -2-

PATENT



Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please cancel claims 1 though 12.

Listing of Claims:

1. (canceled)

2. (canceled)

4. (canceled)

5. (canceled)

6. (canceled)

7. (canceled)

8. (canceled)

9. (canceled)

10. (canceled)

11. (canceled)

12. (canceled)

13. (previously presented) An optical switching apparatus that receives optical signals from a plurality of input circuits and outputs the optical signals to an arbitrary one of a plurality of output circuits, comprising:

an optical signal adjusting unit for adjusting the optical signals after being received at the plurality of the input circuits to generate an adjusted optical signal;

an optical signal switching unit connected to said optical signal adjusting unit for switching the adjusted optical signal to one of a first output port and a second output port;

a first optical signal monitoring unit connected to said optical signal switching unit for monitoring the optical signal sent to said first output port;

a second optical signal monitoring unit connected to said optical signal switching unit for monitoring the optical signal sent to said second output port; and

a controlling unit connected to said optical signal adjusting unit, said optical signal switching unit and said first and second output signal monitoring units for controlling said optical signal adjusting unit based upon an output signal, the output signal being sent from said first optical signal monitoring unit if the optical signal is sent to the first output port, the output signal being sent from said second optical signal monitoring unit if the optical signal is sent to the second output port.

14. (previously presented) The optical switching apparatus according to claim 13 wherein said controlling unit further comprises a memory unit for storing information for said optical signal switching unit, the information being indicative of sending the optical signal to one of a first output port and a second output port, said controlling unit selecting one of said first optical signal monitoring unit and said second optical signal monitoring unit for controlling said optical signal adjusting unit based upon the information.

15. (previously presented) An optical switching apparatus that receives optical signals from a plurality of input circuits and outputs an arbitrary one of the optical signals to an output circuit, comprising:

 a first optical signal adjusting unit for adjusting an optical signal from a first input circuit to generate a first adjusted optical signal;

 a second optical signal adjusting unit for adjusting an optical signal from a second input circuit to generate a second adjusted optical signal;

 an optical signal switching unit connected to said first optical signal adjusting unit and said second optical signal adjusting unit for outputting one of the first adjusted optical signal and the second adjusted optical signal;

 an optical signal monitoring unit connected to said optical signal switching unit for monitoring the optical signal from said optical signal switching unit; and

 a controlling unit connected to said first optical signal adjusting unit, said second optical signal adjusting unit, said optical signal switching unit and said first and second output signal monitoring units for controlling said first optical signal adjusting unit and said second optical signal adjusting unit based upon an output signal from said optical signal monitoring unit, if the first adjusted optical signal is outputted, said controlling unit controlling said first optical signal based upon the output signal, if the second adjusted optical signal is outputted, said controlling unit controlling said second optical signal adjusting unit based upon the output signal.

16. (previously presented) An optical switching apparatus according to claim 15 wherein said controlling unit further comprises a memory unit for storing information for controlling said optical signal switching unit, the information being indicative of outputting one of the first adjusted optical signal and the second adjusted optical signal, said controlling unit selecting one of said first optical signal adjusting unit and said second optical signal adjusting unit based upon the information.